Name _____

Date _____

Scientific Notation Review

Steps of Scientific Notation

Put a number into scientific notation:

1. Move the decimal point to the left so that the number is between one (1) and ten (10). *That means you should have only one place to the left of the decimal.*

2. If there are more than 4 decimal places, round the number to the thousandth place (3 digits to the right of the decimal).

3. Count the Number of places that you moved the decimal point.

4. The number of places the decimal point moved becomes the exponent for the 10.

5. Write the product of the number between one (1) and ten (10) and the exponent (or power) of ten

Take a number out of scientific notation:

1. Find the exponent of 10.

2. Move the decimal point to the right the number of places that equals the exponent (i.e. exponent of 2 means move decimal point 2 places to the right.

3. Drop the "x 10" part of the statement.

Name _____

Directions: Put the following numbers into scientific notation.

1	1,564,587	_____	2	68,794	_____
3	100,567.29	_____	4	73,254,567	_____
5	854.56874	_____	6	9,965	_____
7	2,546	_____	8	2,548,597,215	_____
9	252	_____	10	2	_____
11	65	_____	12	28,967,542	_____

Directions: Take the following numbers out of scientific notation.

13	2.6×10^{6}	_____	14	5.649×10^{3}	_____
15	1.2×10^{0}	_____	16	9.76×10^{4}	_____
17	4.68×10^{5}	_____	18	6.4×10^{1}	_____
19	4.69×10^{9}	_____	20	7.3×10^{2}	_____
21	5×10^{8}	_____	22	6.24×10^{13}	_____
23	5.4×10^{6}	_____	24	7.397×10^{3}	_____